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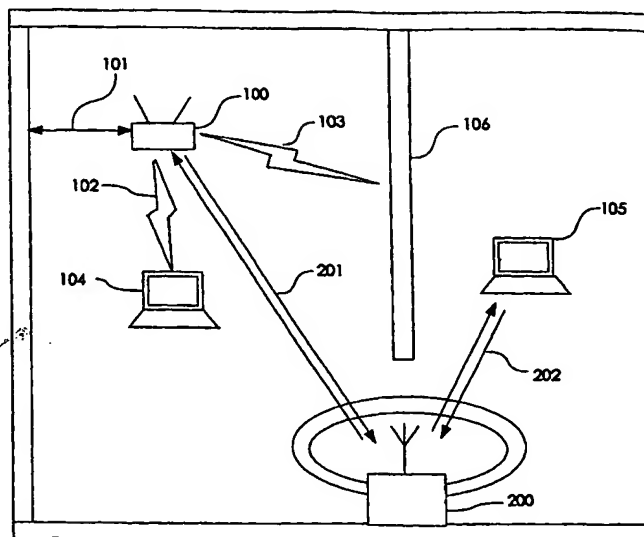
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(54) Title: WIRELESS LOCAL AREA NETWORK REPEATER WITH IN-BAND CONTROL CHANNEL



(57) Abstract: A frequency translating repeater (200) for use in a WLAN environment includes an in-band management link. A signal received on an antenna (300) is split to provide signal detection in a detection and control unit (385) wherein detection is performed by detectors (370, 371) filters (375, 376), converters (380, 381) and a processor (385). Delay is added using delay lines (360, 361). The in-band signal envelope may be modulated with variable gain amplifier (330) and demodulated with detectors (370, 371) to establish the management link with higher protocol layer capability. Alternatively, a modem function at least partially compliant to 802.11 modulation may be used in parallel with the frequency translating repeater.